FIG.1

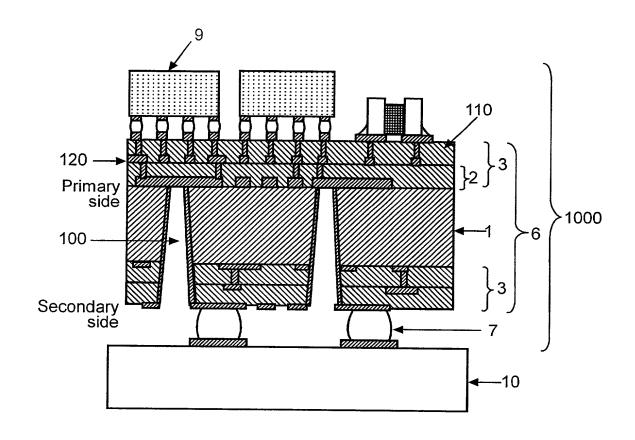


FIG.2

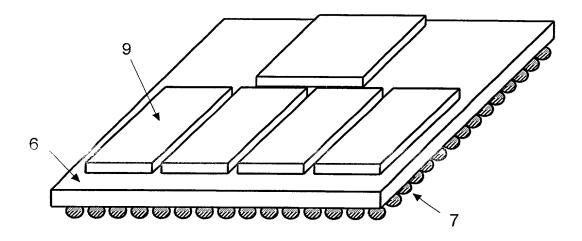


FIG.3

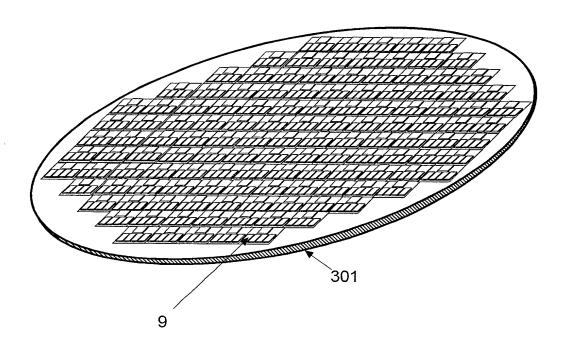


FIG.4

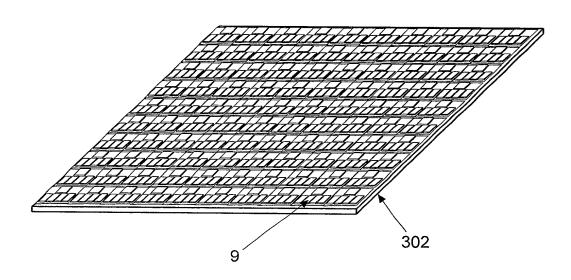
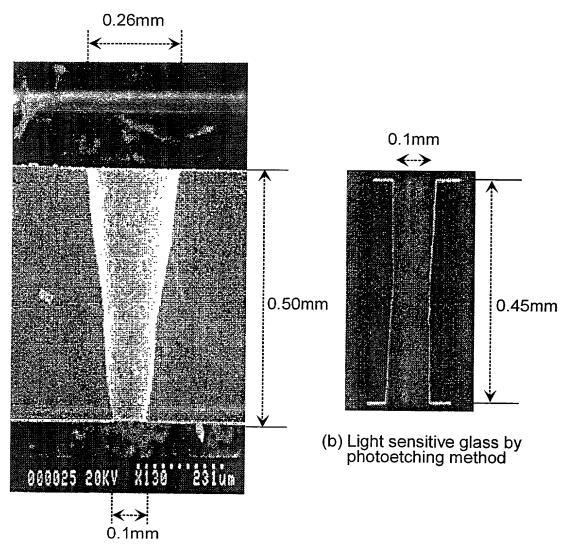


FIG.5



(a) Non-alkali glass by sand blasting

FIG.6

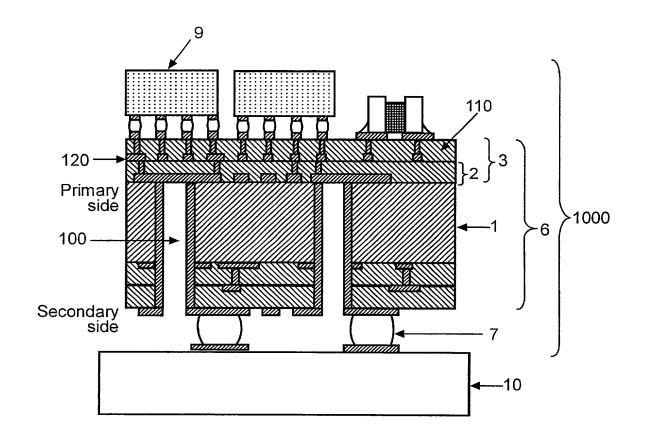


FIG.7

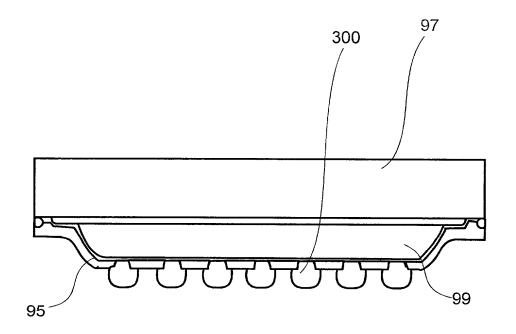


FIG.8

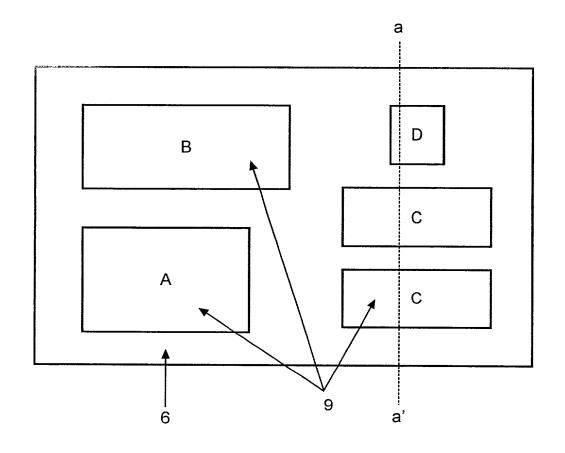


FIG.9

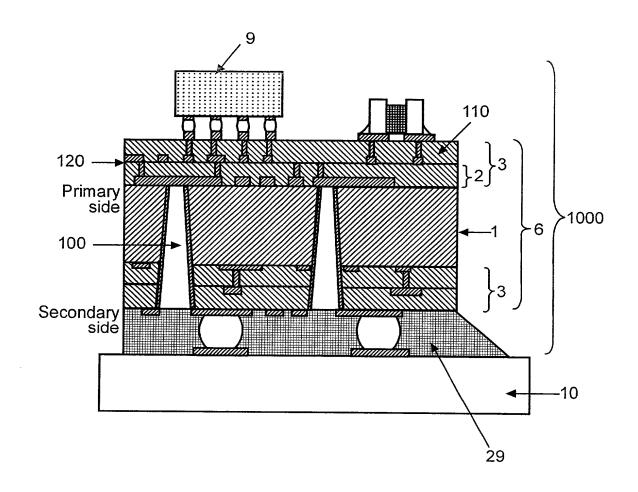
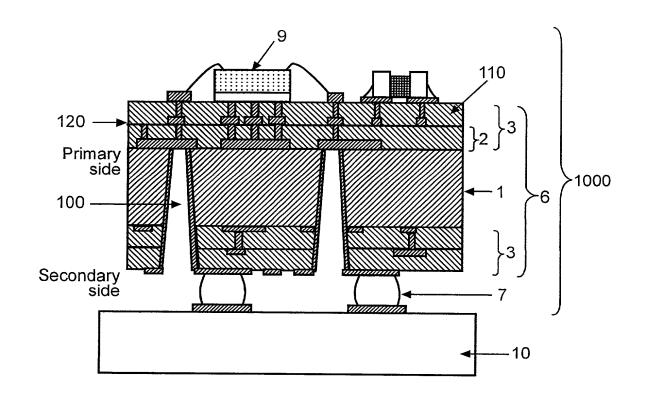
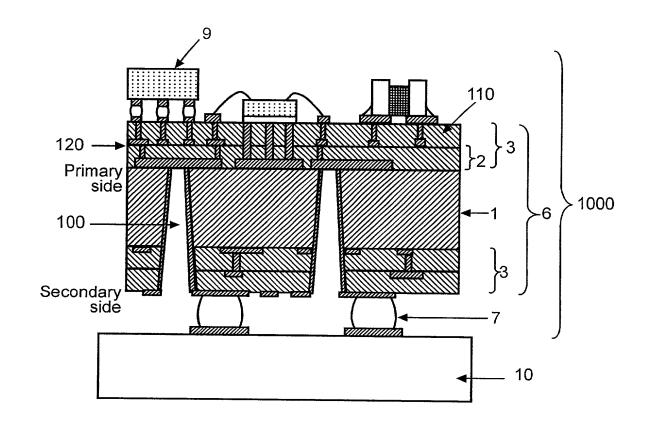


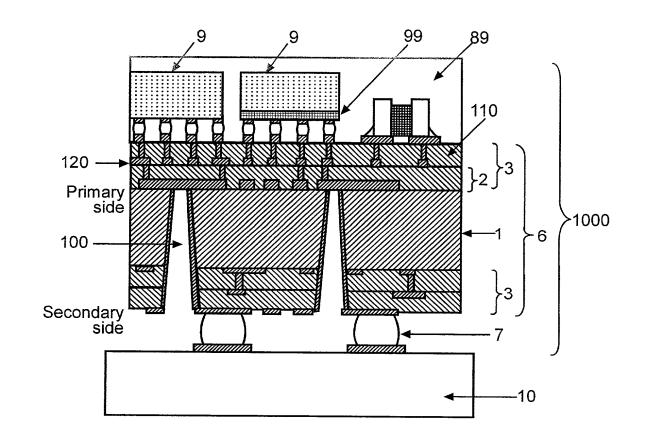
FIG.10



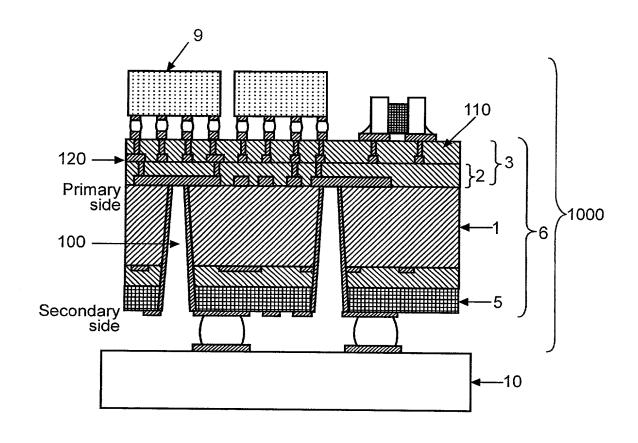
**FIG.11** 



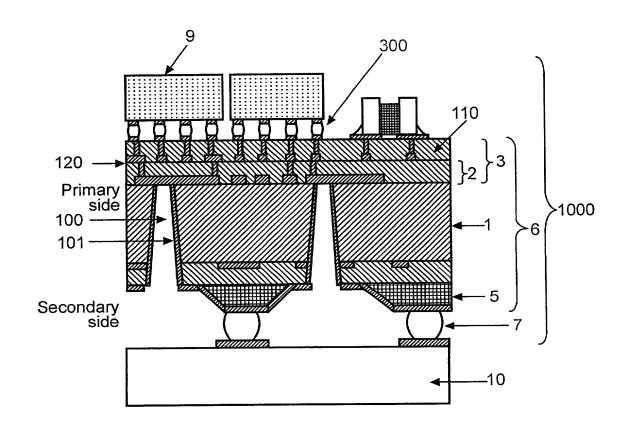
**FIG.12** 



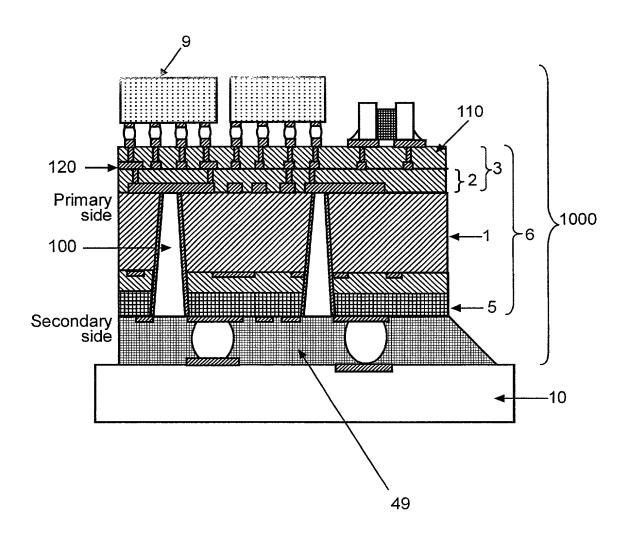
**FIG.13** 



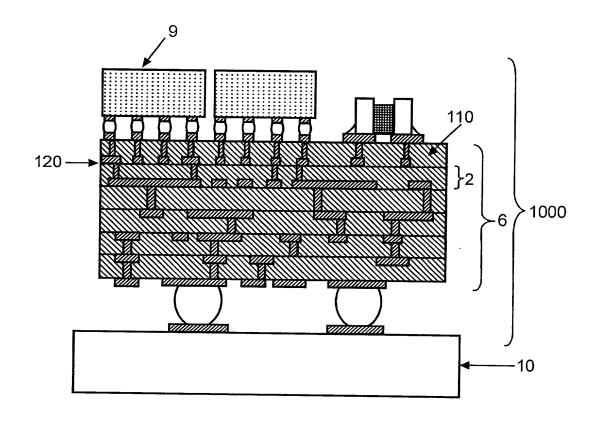
**FIG.14** 



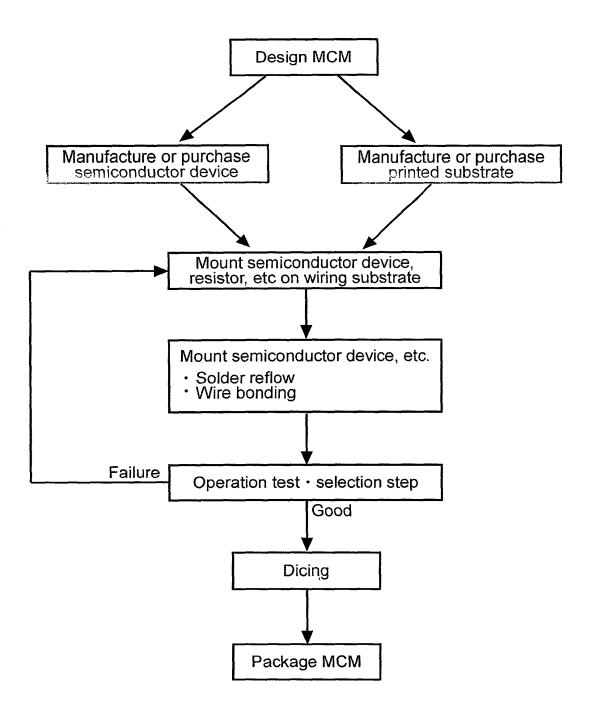
**FIG.15** 



**FIG.16** 



**FIG.17** 



**FIG.18** 

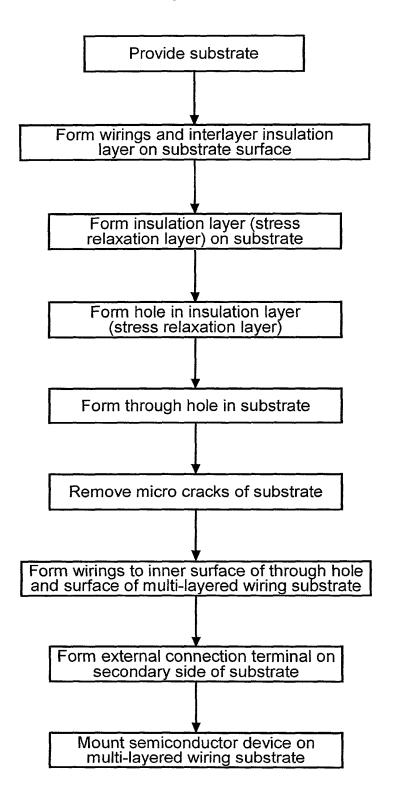
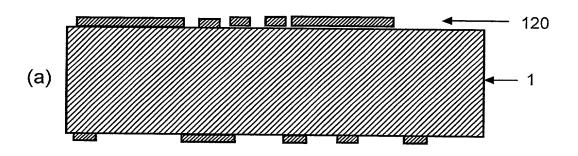
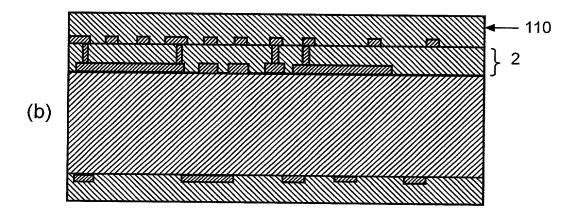
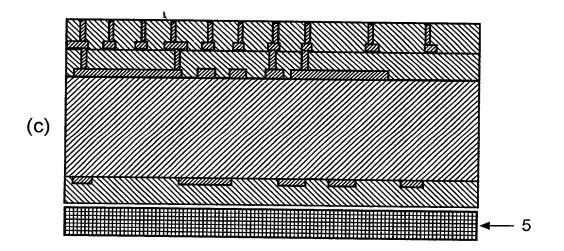


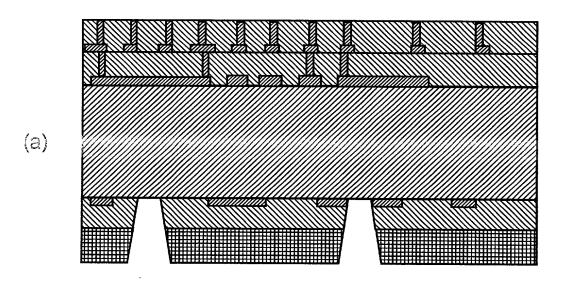
FIG.19

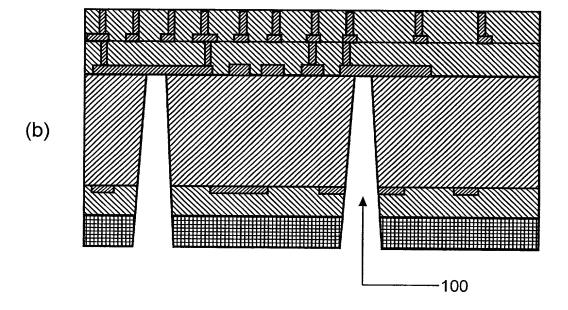




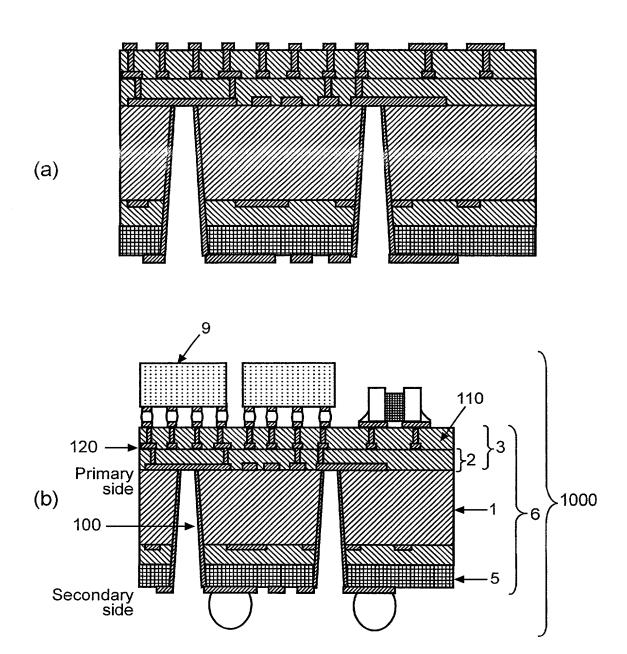


**FIG.20** 

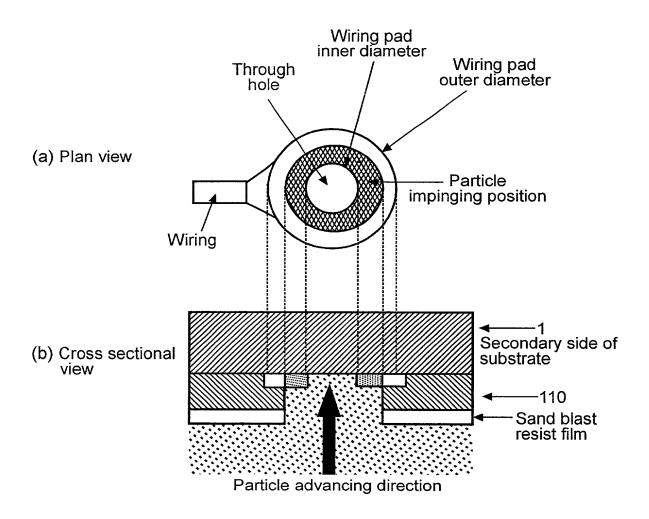




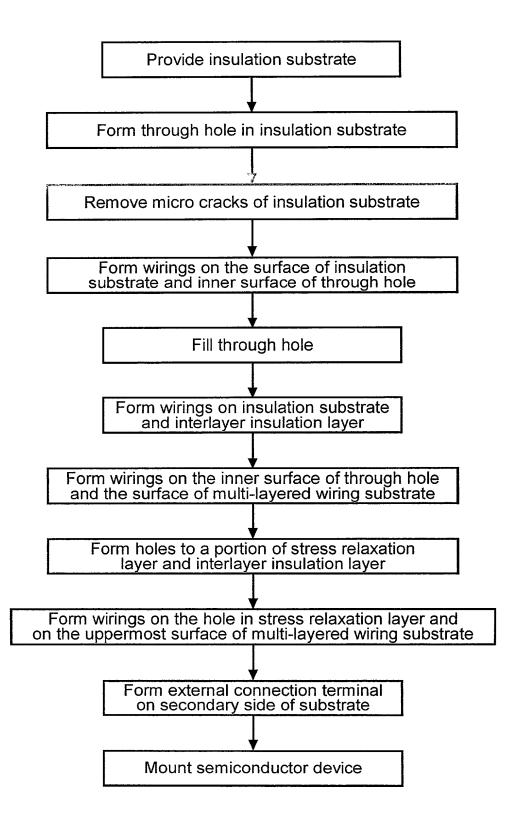
**FIG.21** 



## **FIG.22**



**FIG.23** 



**FIG.24** 

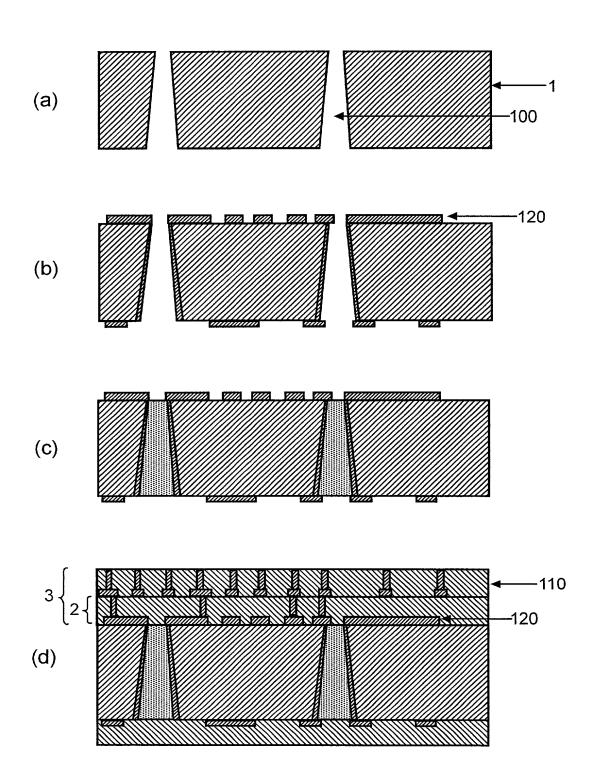
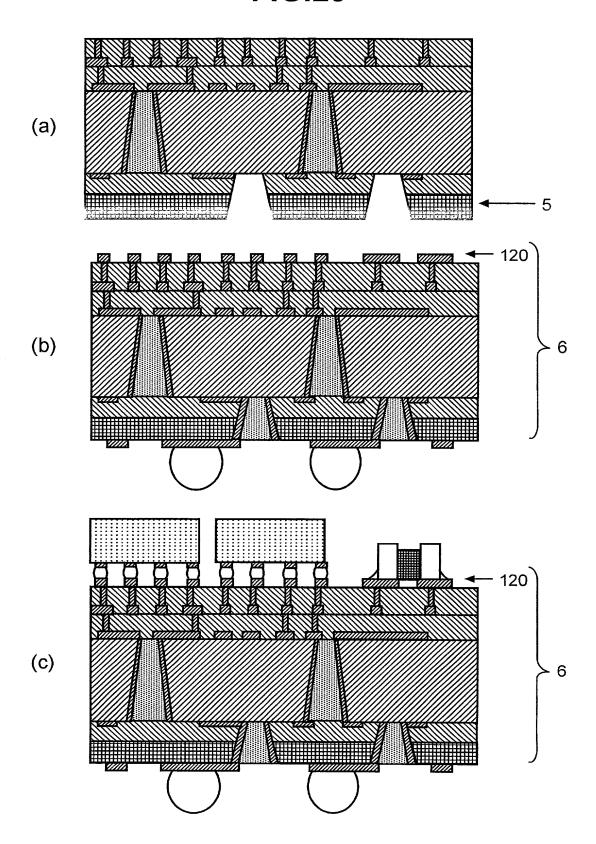
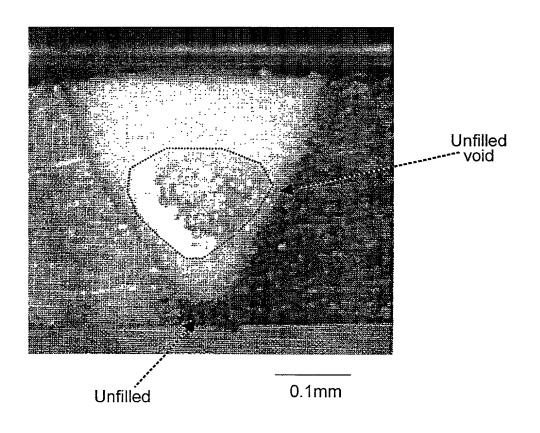


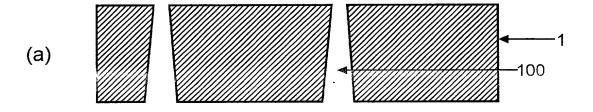
FIG.25

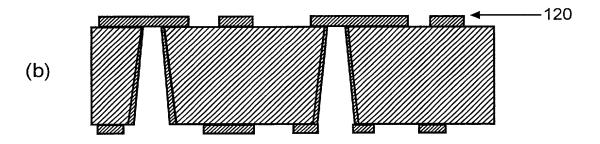


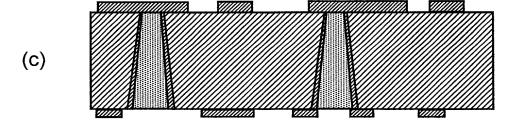
**FIG.26** 



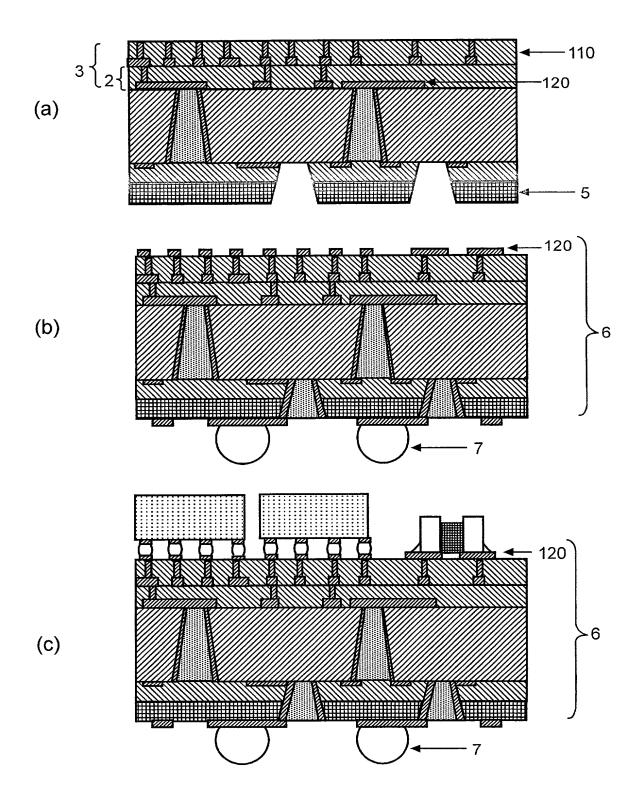
**FIG.27** 



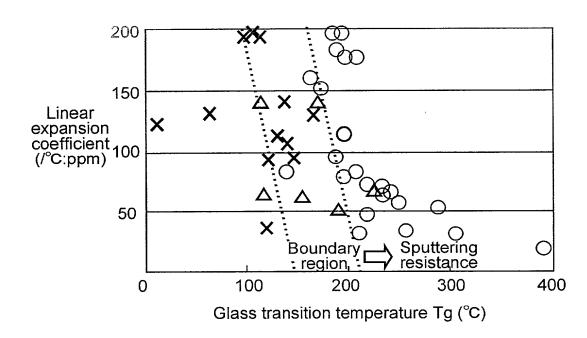




**FIG.28** 

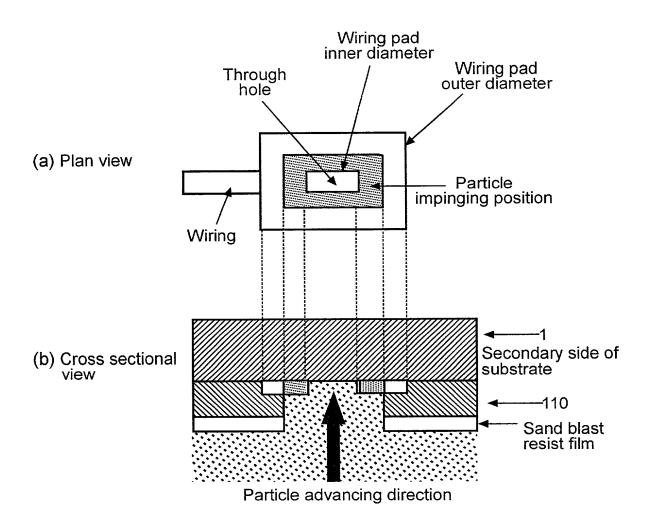


**FIG.29** 

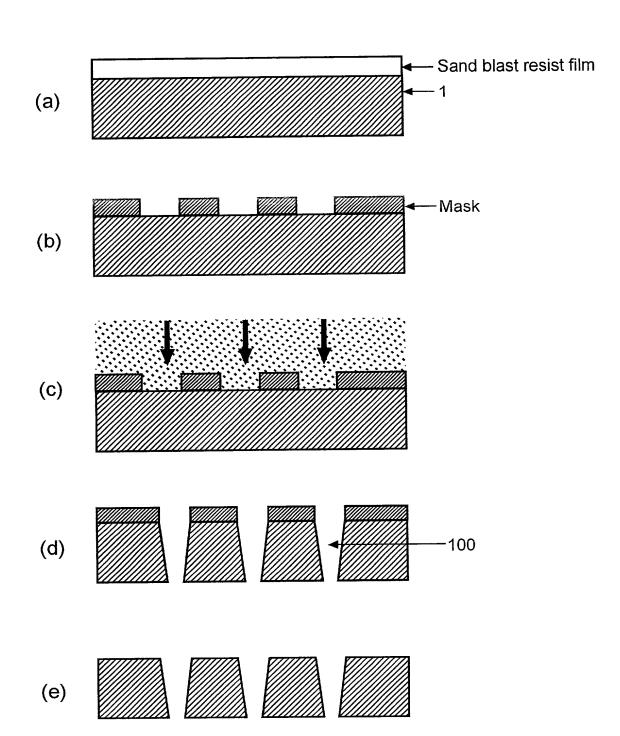


Physical property value and sputtering resistance of the material for stress relaxation layer (★: cracks generated, ▲: wrinkles generated, ○: no abnormality)

## **FIG.30**



**FIG.31** 



**FIG.32** 

